

INFORMATION REPORT

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25X1 SUBJECT Diesel Trains Produced at the Ganz Factory

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THIS IS UNEVALUATED INFORMATION

1. Ganz diesel-powered railroad trains, which fell into Russian hands at the end of World War II, were later modified and delivered to the Soviet Union. The performance of the trains was excellent and the Ganz factory was directed to produce this new type of train. The new model is a modification, according to Russian requirements, of the "Hargita" trains produced for MAV (Hungarian State Railways).
2. The train consists of two engine cars and four trailer cars. Each engine car carries a 600-horsepower diesel generator which produces electricity for two 245-horsepower direct-current main drive engines. In addition, there is another group of generators to supply power for the auxiliary installations such as air-conditioning and heating equipment.
3. The frames of the cars are of welded construction, and the trucks of some cars were patterned after the Ganz-Ronai model.
4. The 600-horsepower diesel motor and the generator are built in one unit. This has been accomplished by flanging the stator of the generator to the block of the diesel engine. The rotor of the generator is connected to the main shaft of the diesel engine by a flexible coupling. Ball bearings support the rotor where it passes through the end of the diesel engine. The diesel generator is mounted on the chassis of the car with a three-point spring suspension. The control cabs on the two motor cars are connected by electric remote control.

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